



DOCKET NO: M0925.70087US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

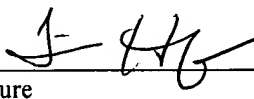
RECEIVED
MAR 09 2004

Applicant: Anne M. Mayes et al.
Serial No: 09/862,916
Confirmation No: 9694
Filed: May 22, 2001
For: POLYMER ELECTROLYTE, INTERCALATION
COMPOUNDS AND ELECTRODES FOR BATTERIES

Examiner: Ruthkosky, Mark
Art Unit: 1745

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the 27th day of February, 2004.



Signature

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

PART I: Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed more than three months after the filing date of this application and after the mailing date of the first Office Action, but before the mailing date of either a final action under 37 C.F.R. §1.113 or a Notice of Allowance under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in this application. The fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) is enclosed.

03/04/2004 MDAHTE1 00000050 09862916

01 FC:1806

180.00 0P

PART II: Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The above-identified U.S. application claims priority to application Serial No. PCT/US97/18839. If the Examiner has not had the benefit of review of the file history of PCT/US97/18839, then he/she is asked to contact the undersigned, who will provide a copy of same.

The Applicant would like to bring to the Examiner's attention the enclosed International Preliminary Examination Report, Written Opinion, and Search Report from a corresponding International or Foreign National Application.

PART III: Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

By: 

Timothy J. Oyer, Ph.D., Reg. No. 36,628
Tani Chen, Sc.D., Reg. No. 52,728
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210-2211
Telephone: (617) 720-3500

Docket No. M0925.70087US00
Date: February 27, 2004
xNDDx

FORM PTO-1449/A and B (Modified)

APPLICATION NO.: 09/862,916

ATTY. DOCKET NO.: M0925.70087US00

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE: May 22, 2001

CONFIRMATION NO.: 9694

APPLICANT: Anne M. Mayes et al.

GROUP ART UNIT: 1745

EXAMINER: Ruthkosky, Mark

MAR 01 2004

Sheet

1

of

4

RECEIVED

MAR 09 2004

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	*A1	3,939,008		Longo et al.	02-17-1976
	*A2	4,206,668		Lecerf et al.	04-07-1981
	*A3	4,292,382		Lecerf et al.	09-29-1981
	*A4	4,465,747		Evans	08-14-1984
	*A5	4,478,921		Langan	10-23-1984
	*A6	4,542,083		Cava et al.	09-17-1985
	*A7	4,654,280		Bailey	03-31-1987
	*A8	4,668,595		Yoshino et al.	05-26-1987
	*A9	4,758,483		Armand et al.	07-19-1988
	*A10	5,051,211		Ward et al.	09-24-1991
	*A11	5,196,484		Giles et al.	03-23-1993
	*A12	5,219,564		Zaplipsky	06-15-1993
	*A13	5,268,243		Noda et al.	12-07-1993
	*A14	5,286,582		Tahara et al.	02-15-1994
	*A15	5,300,374		Agrawal et al.	04-05-1994
	*A16	5,316,877		Thackeray et al.	05-31-1994
	*A17	5,350,646		Armand et al.	09-27-1994
	*A18	5,370,949		Davidson et al.	12-06-1994
	*A19	5,393,622		Nitta et al.	02-28-1995
	*A20	5,407,762		Mitate et al.	04-18-1995
	*A21	5,429,890		Pyneburg et al.	07-07-1995
	*A22	5,455,027		Zalipsky et al.	10-03-1995
	*A23	5,548,055		Narang et al.	08-20-1996
	*A24	5,549,989		Anani	08-27-1996
	*A25	5,558,961		Doeff et al.	09-24-1996
	*A26	5,567,401		Doddapaneni et al.	10-22-1996
	*A27	5,578,395		Yoshimura et al.	11-26-1996
	*A28	5,605,773		Ellgen	02-25-1997
	*A29	5,609,975		Hasegawa et al.	03-11-1997
	*A30	5,620,812		Tahara et al.	04-15-1997
	*A31	5,626,635		Yamaura et al.	05-06-1997
	*A32	5,631,104		Zhong et al.	05-20-1997
	*A33	5,631,105		Hasegawa et al.	05-20-1997
	*A34	5,638,672		Sekai	11-04-1997
	*A35	5,639,438		Ellgen	06-17-1997
	*A36	5,695,887		Amatucci et al.	12-09-1997
	*A37	5,700,597		Zhong et al.	12-23-1997

	*A38	5,705,291		Amatucci et al.	01-06-1998
	*A39	5,783,332		Amine et al.	07-21-1998
	A40	6,150,459		Mayes et al.	11/21/00
	A41	6,207,749	B1	Mayes et al.	03/27/01

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	*B1	JP	2-220358			09-03-1990	
	*B2	EP	0 421 421	A1		04-10-1991	
	*B3	EP	0 531 005	A2		03-10-1993	
	*B4	EP	0 580 865	A1		02-02-1994	
	*B5	EP	0 653 797	A1		05-17-1995	
	*B6	DE	44 47 578	A1		04-04-1996	
	*B7	WO	96/10538			11-04-1996	
	*B8	WO	96/16450	A1		05-30-1996	
	*B9	WO	97/26683			07-24-1997	
	*B10	WO	98/38648			09-03-1998	
	*B11	WO	98/46528			10-22-1998	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
	*C1	AMATUCCI, G. G., <u>Solid State Ionics</u> , 104: 13-25, 1997.		
	*C2	BARKER, M. C. et al., <u>The Preparation and Characterisation of Polystyrene/Ply(ethylene Oxide) AB Block Copolymers</u> , (289-295) 1983.		
	*C3	BENSON, R. S. et al., <u>J. Polymer Sci.</u> , 23: 399-410, 1985.		
	*C4	BILLMAN, J. F. et al., <u>Langmuir</u> , 6: 611-620, 1990.		
	*C5	BILLMAN, J. F. et al., <u>Langmuir</u> , 7: 1609-1617, 1991.		
	*C6	BOURIDAH, A. et al., <u>Solid State Ionics</u> , 15: 223-240, 1985.		
	*C7	CANDAU, F. et al., <u>Polymer</u> , 18: 1253-1256, 1977.		
	*C8	CAO, Y. et al., <u>Appl. Phys. Letters</u> , 68: 3218-3220, 1996.		
	*C9	CHEN, L.Q., <u>Acta Metall. Mater.</u> , 42: 3503-3513, 1994.		
	*C10	DERAND, H. et al., <u>J. Polymer Sci.</u> , 33: 571-579, 1995.		
	*C11	DING, J. et al., <u>Eur. Polym. J.</u> , 9: 901-905, 1991.		
	*C12	Energy Lab Newsletter (July – December 1996).		
	*C13	GILES, J. R. et al., <u>Polymer</u> , 28: 1977-1981, 1987.		
	*C14	GRAY, F.M. et al., <u>Macromolecules</u> , 21: 392-397, 1988.		

*C15	ICHINO, T. et al., <u>J. Polymer Sci.</u> , 31: 589-591, 1993.		
*C16	JOHNSON, G. K. et al., <u>J. Phys. Chem.</u> , 98: 12097-12102, 1994.		
*C17	JOHNSON, G. K. et al., <u>Langmuir</u> , 10: 2523-2527, 1994.		
*C18	KARIS, T. E. et al., <u>Macromolecules</u> , 28: 1129-1134, 1995.		
*C19	KHAN, I. M. et al., <u>Makromol. Chem.</u> , 190: 1069-1078, 1989.		
*C20	KHAN, T. N. et al., <u>Eur. Polym. J.</u> , 23: 191-194, 1987.		
C21	KOETSCHAU, I. et al., <u>J. Electrochem. Soc.</u> , 142, 9: 2906-2910, 1995.		
*C22	LE DORE C. et al., <u>Eur. Polymer J.</u> , 27: 1297-1302, 1991.		
*C23	LI, J. et al., <u>Makromol. Chem.</u> , 192: 3043-3050, 1991.		
*C24	LINDEN, E. et al., <u>Solid State Ionics</u> , 28: 994-1000, 1988.		
*C25	LIPATOV, Y. S. et al., <u>Polym. Networks Blends</u> , 4: 9-14, 1994.		
*C26	LOBITZ, P. et al., <u>Solid State Ionics</u> , 58: 41-48, 1992.		
*C27	LOBITZ, P. et al., <u>J. Power Sources</u> , 43: 467-472, 1993.		
*C28	MATSUMOTO M. et al., <u>J. Electrochem. Soc.</u> , 141: 1989-1993, 1994.		
*C29	MINETT, M. G. et al., <u>Solid State Ionics</u> , 28: 1192-1196, 1988.		
*C30	MOLEND, J. et al., <u>Physica Status Solidi.</u> , 165: 419-433, 1991.		
*C31	NAGAOKA, K. et al., <u>J. Polymer Sci.</u> , 22: 659-663, 1984.		
*C32	NAZRI, G. A. et al., <u>Mat. Res. Soc. Symp. Proc.</u> , 453: 635-647, 1997.		
*C33	NESTEROV, A. E. et al., <u>Polymer</u> , 33: 619-622, 1992.		
*C34	NOVIKOV, D. L. et al., <u>Physical Review</u> , 49: 15830-15835, 1994.		
*C35	ODEGARD, R. et al., <u>J. Electrochem. Soc.</u> , 136: 1811-1817, 1989.		
*C36	OHZUKU, T. et al., <u>J. Electrochemical Society</u> , 142: 4033-4039, 1995.		
*C37	SMITH, D. H. et al., <u>Langmuir</u> , 10: 2516-2522, 1994.		
*C38	WATANABE, M. et al., <u>Macromolecules</u> , 18: 1945-1950, 1985.		
*C39	WILSON, D. J. et al., <u>British Polymer Journal</u> , 22: 129-135.		
*C40	XIE, H. et al., <u>Chinese J. Polymer Sci.</u> , 9: 1-13, 1991.		
*C41	YAO, N., <u>J. Macromol. Sci. Phys.</u> , B30:225-243, 1991.		
*C42	YU, A. et al., <u>Doklady Akademii Nauk SSSR</u> , 291: 635-638, 1986.		

	C43	International Search Report dated 7/15/1998 from International Application No. PCT/US97/18839		
	C44	Written Opinion dated 9/17/1998 from International Application No. PCT/US97/18839		
	C45	International Preliminary Examination Report dated 1/15/1999 from International Application No. PCT/US97/18839		

EXAMINER	DATE CONSIDERED
----------	-----------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No.09/284,447, filed June 24, 1999, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).